



INTERNATIONAL TRUCK AND ENGINE CORPORATION  
455 NORTH CITYFRONT PLAZA DRIVE, CHICAGO, IL 60611  
TELEPHONE 312-838-2000

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**TRUCK GROUP**

**SAFETY RECALL 00508  
SECOND NOTICE**

June, 2001

Dear International Customer:

**WARNING!** Your vehicle may be involved in an accident, which could result in property damage, personal injury, or death, if the required service procedure is not performed to complete this Safety Recall.

This is the second notice sent out, in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act, to inform owners of this defect. International has determined that a defect which relates to motor vehicle safety exists in AmTran FE, RE, and IC buses built from 3/01/1998 through 7/13/2000. This second notice is sent as a reminder for owners to get these buses fixed during the summer months when many buses may be out of service. Please have this Safety Recall performed as soon as possible. If you are not the owner, we need your help finding the current owner, please read paragraph number 4 on the next page under **"ACTIONS YOU SHOULD TAKE."**

**REASON FOR THIS RECALL**

**RISK TO MOTOR VEHICLE SAFETY:** Your vehicle could experience an extended stopping distance, without warning, when the vehicle is decelerating from 8 to 4 miles per hour. If an extended stopping distance occurs, **YOUR VEHICLE COULD BE INVOLVED IN AN ACCIDENT, WHICH COULD RESULT IN PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.**

**DEFECT DESCRIPTION:** This defect involves the Bendix EC-17 1030R electronic control unit (ECU) which controls the Antilock Braking System (ABS). The ECU can misinterpret erratic signals that can be generated by one of two conditions: 1. A chafed wheel speed sensor wire on a rotating part, or 2. An incorrect gap between a tone ring and a wheel speed sensor. Either of these conditions can cause the air ABS ECU to exhaust the air at the air brake modulators for one or more of the wheels. During the above described conditions, the ABS warning indicator light may not come on to warn the driver of an ABS event or a malfunction.

## **ACTIONS YOU SHOULD TAKE**

- 1. Our records show that you are the owner of the vehicle identified on the enclosed card. If you are not the owner, please read paragraph number 4.**
- 2. Please contact your local International dealer, with your recall card in hand, to schedule an appointment to have your Bendix ABS ECU replaced. This repair will be performed without charge to you and will require approximately one hour.**
- 3. If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us.**
- 4. In the event you no longer own the vehicle described on the card, please complete the card, fill in the new customer name and address if known, and return it to us. This information will allow us to update our records so we can contact the new owner and you will not be contacted again regarding this recall.**

## **IF YOU NEED ASSISTANCE**

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-888-327-4236 if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

**We urge your prompt attention to the correction of this safety defect and apologize for any inconvenience this may cause you. If you have any further questions please call 1-800-448-7825 and select option number one.**

**INTERNATIONAL TRUCK AND ENGINE CORPORATION**



INTERNATIONAL TRUCK AND ENGINE CORPORATION  
465 NORTH CITYFRONT PLAZA DRIVE, CHICAGO, IL 60611  
TELEPHONE 312-836-2000

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**TRUCK GROUP**

**SAFETY RECALL 00509  
SECOND NOTICE**

June, 2001

Dear International Customer:

**WARNING!** Your vehicle may be involved in an accident, which could result in property damage, personal injury, or death, if the required service procedure is not performed to complete this Safety Recall.

This is the second notice sent out, in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act, to inform owners of this defect. International has determined that a defect, which relates to motor vehicle safety, exists in 3400, 3600 and 3800 buses built at the Springfield Assembly Plant from 3/01/1998 through 6/16/2000. This second notice is sent as a reminder for owners to get these buses fixed during the summer months when many buses may be out of service. Please have this Safety Recall performed as soon as possible. If you are not the owner, we need your help finding the current owner; please read paragraph number 4 on the next page under **"ACTIONS YOU SHOULD TAKE."**

**REASON FOR THIS RECALL**

**RISK TO MOTOR VEHICLE SAFETY:** Your vehicle could experience an extended stopping distance, without warning, when the vehicle is decelerating from 8 to 4 miles per hour. If an extended stopping distance occurs, your vehicle could be involved in an accident, which could result in property damage, personal injury, or death.

**DEFECT DESCRIPTION:** This defect involves the Bendix EC-17 1030R electronic control unit (ECU) which controls the Antilock Braking System (ABS). The ECU can misinterpret erratic signals that can be generated by one of two conditions: 1. A chaffed wheel speed sensor wire on a rotating part, or 2. An incorrect gap between a tone ring and a wheel speed sensor. Either of these conditions can cause the air ABS ECU to exhaust the air at the air brake modulators for one or more of the wheels. During the above described conditions, the ABS warning indicator light may not come on to warn the driver of an ABS event or a malfunction.

## **ACTIONS YOU SHOULD TAKE**

- 1. Our records show that you are the owner of the vehicle identified on the enclosed card. If you are not the owner, please read paragraph number 4.**
- 2. Please contact your local International dealer, with your recall card in hand, to schedule an appointment to have your Bendix ABS ECU replaced. This repair will be performed without charge to you and will require approximately one hour. Please ask the dealer if your vehicle needs to have Safety Recall 00505 performed or any other recall at this time.**
- 3. If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us.**
- 4. In the event you no longer own the vehicle described on the card, please complete the card, fill in the new customer name and address if known, and return it to us. This information will allow us to update our records so we can contact the new owner and you will not be contacted again regarding this recall.**

## **IF YOU NEED ASSISTANCE**

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-888-327-4236 if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

**We urge your prompt attention to the correction of this safety defect and apologize for any inconvenience this may cause you. If you have any further questions please call 1-800-448-7825 and select option number one.**

**INTERNATIONAL TRUCK AND ENGINE CORPORATION**



INTERNATIONAL TRUCK AND ENGINE CORPORATION

485 NORTH CITYFRONT PLAZA DRIVE, CHICAGO, IL 60611

TELEPHONE 312-836-2000

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**TRUCK GROUP**

**SAFETY RECALL 00510**

January, 2001

Dear International Customer:

This Safety Recall is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. International has determined that 2000, 4000, 5000, 8000 and 9000 model straight trucks (with code 04091) and built within the following build date ranges, have a defect, which relates to motor vehicle safety:

- Springfield Plant: vehicles built from 3/1/98 to 6/16/00
- Chatham Plant: vehicles built from 3/1/98 to 6/27/00
- Escobedo Plant: vehicles built from 3/1/98 to 6/20/00
- Garland Plant: vehicles built from 3/1/98 to 7/11/00.

In September of 2000 International notified customers of this issue and projected part availability for January 2001. Parts are now available and this letter is the official notification for customers to have their Bendix Anti-Lock Braking System electronic control unit replaced by their local dealer.

If you are not the owner, we need your help finding the current owner; **PLEASE** read paragraph number four under **"ACTIONS YOU SHOULD TAKE."**

**REASON FOR THIS RECALL**

**RISK TO MOTOR VEHICLE SAFETY:** Your vehicle could experience an extended stopping distance without warning when the vehicle is decelerating from 8 to 4 miles per hour. If an extended stopping distance occurs, your vehicle could be involved in an accident, which could result in property damage, personal injury, or death.

**DEFECT DESCRIPTION:** This defect involves the Bendix EC-17 1030R electronic control unit (ECU) which controls the Antilock Braking System (ABS). The ECU can misinterpret erratic signals that can be generated by one of two conditions: 1. A chaffed wheel speed sensor wire on a rotating part, or 2. An incorrect gap between a tone ring and a wheel speed sensor. Either of these conditions can cause the air ABS ECU to exhaust the air at the air brake modulators for one or more of the wheels. During the above described conditions, the ABS warning indicator light may not come on to warn the driver of an ABS malfunction.

## **ACTIONS YOU SHOULD TAKE**

- 1. Our records show that you are the owner of the vehicle identified on the enclosed card. If you are not the owner, please read paragraph number 4.**
- 2. Please contact your local International dealer, with your recall card in hand, to schedule an appointment to have your Bendix ABS ECU replaced. This repair will be performed without charge to you and will require approximately one hour. Please take your recall card to your scheduled appointment.**
- 3. If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us.**
- 4. If you no longer own the vehicle described on the card, please complete the card, fill in the new customer name and address if known, and return it to us. This information will allow us to update our records so we can contact the new owner as soon as possible and you will not be contacted again regarding this Safety Recall.**

## **IF YOU NEED ASSISTANCE**

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-888-327-4236 if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

**We urge your prompt attention to the correction of this safety defect and apologize for any inconvenience this may cause.**

**INTERNATIONAL TRUCK AND ENGINE CORPORATION**



INTERNATIONAL TRUCK AND ENGINE CORPORATION

465 NORTH CITYFRONT PLAZA DRIVE, CHICAGO, IL 60611

TELEPHONE 312-836-2000

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**TRUCK GROUP**

**SAFETY RECALL 00510**

January, 2001

Dear International Customer:

This Safety Recall is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. International has determined that 2000, 4000, 5000, 8000 and 9000 model straight trucks (with code 04091) and built within the following build date ranges, have a defect, which relates to motor vehicle safety:

- Springfield Plant: vehicles built from 3/1/98 to 6/16/00
- Chatham Plant: vehicles built from 3/1/98 to 6/27/00
- Escobedo Plant: vehicles built from 3/1/98 to 6/20/00
- Garland Plant: vehicles built from 3/1/98 to 7/11/00.

In September of 2000 International notified customers of this issue and projected part availability for January 2001. Parts are now available and this letter is the official notification for customers to have their Bendix Anti-lock Braking System electronic control unit replaced by their local dealer.

If you are not the owner, we need your help finding the current owner; **PLEASE** read paragraph number four under **"ACTIONS YOU SHOULD TAKE."**

**REASON FOR THIS RECALL**

**RISK TO MOTOR VEHICLE SAFETY:** Your vehicle could experience an extended stopping distance without warning when the vehicle is decelerating from 8 to 4 miles per hour. If an extended stopping distance occurs, your vehicle could be involved in an accident, which could result in property damage, personal injury, or death.

**DEFECT DESCRIPTION:** This defect involves the Bendix EC-17 1030R electronic control unit (ECU) which controls the Antilock Braking System (ABS). The ECU can misinterpret erratic signals that can be generated by one of two conditions: 1. A chafed wheel speed sensor wire on a rotating part, or 2. An incorrect gap between a tone ring and a wheel speed sensor. Either of these conditions can cause the air ABS ECU to exhaust the air at the air brake modulators for one or more of the wheels. During the above described conditions, the ABS warning indicator light may not come on to warn the driver of an ABS malfunction.

## **ACTIONS YOU SHOULD TAKE**

- 1. Our records show that you are the owner of the vehicle identified on the enclosed card. If you are not the owner, please read paragraph number 4.**
- 2. Please contact your local International dealer, with your recall card in hand, to schedule an appointment to have your Bendix ABS ECU replaced. This repair will be performed without charge to you and will require approximately one hour. Please take your recall card to your scheduled appointment.**
- 3. If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us.**
- 4. If you no longer own the vehicle described on the card, please complete the card, fill in the new customer name and address if known, and return it to us. This information will allow us to update our records so we can contact the new owner as soon as possible and you will not be contacted again regarding this Safety Recall.**

## **IF YOU NEED ASSISTANCE**

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-888-327-4236 if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

**We urge your prompt attention to the correction of this safety defect and apologize for any inconvenience this may cause.**

**INTERNATIONAL TRUCK AND ENGINE CORPORATION**





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455 NORTH CITYFRONT PLAZA DRIVE, CHICAGO, IL 60611

TELEPHONE 312-836-2000

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**TRUCK GROUP**

**SAFETY RECALL 00511**

April, 2001

Dear International Customer:

This Safety Recall is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. International has determined that 2000, 4000, 5000, 8000 and 9000 model tractors (with code 04092) and built within the following build date ranges, have a defect, which relates to motor vehicle safety:

- Springfield Plant: vehicles built from 3/1/98 to 6/16/00
- Chatham Plant: vehicles built from 3/1/98 to 6/27/00
- Escobedo Plant: vehicles built from 3/1/98 to 6/20/00
- Garland Plant: vehicles built from 3/1/98 to 7/11/00.

In September of 2000 International notified customers of this issue and projected part availability for April 2001. Parts are now available and this letter is the official notification for customers to have their Bendix Anti-lock Braking System electronic control unit replaced by their local dealer.

If you are not the owner, we need your help finding the current owner, **PLEASE** read paragraph number four under **"ACTIONS YOU SHOULD TAKE."**

**REASON FOR THIS RECALL**

**RISK TO MOTOR VEHICLE SAFETY:** Your vehicle could experience an extended stopping distance without warning when the vehicle is decelerating from 8 to 4 miles per hour. If an extended stopping distance occurs, **your vehicle could be involved in an accident, which could result in property damage, personal injury, or death.**

**DEFECT DESCRIPTION:** This defect involves the Bendix EC-17 1030R electronic control unit (ECU) which controls the Antilock Braking System (ABS). The ECU can misinterpret erratic signals that can be generated by one of two conditions: 1. A chaffed wheel speed sensor wire on a rotating part, or 2. An incorrect gap between a tone ring and a wheel speed sensor. Either of these conditions can cause the air ABS ECU to exhaust the air at the air brake modulators for one or more of the wheels. During the above described conditions, the ABS warning indicator light may not come on to warn the driver of an ABS malfunction.

## **ACTIONS YOU SHOULD TAKE**

- 1. Our records show that you are the owner of the vehicle identified on the enclosed card. If you are not the owner, please read paragraph number four.**
- 2. Please contact your local International dealer, with your recall card in hand, to schedule an appointment to have your Bendix ABS ECU replaced. This repair will be performed without charge to you and will require approximately one hour. Please take your recall card to your scheduled appointment.**
- 3. If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us.**
- 4. If you no longer own the vehicle described on the card, please complete the card, fill in the new customer name and address if known, and return it to us. This information will allow us to update our records so we can contact the new owner as soon as possible and you will not be contacted again regarding this Safety Recall.**

## **IF YOU NEED ASSISTANCE**

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-888-327-4236 if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

**We urge your prompt attention to the correction of this safety defect and apologize for any inconvenience this may cause.**

**INTERNATIONAL TRUCK AND ENGINE CORPORATION**



INTERNATIONAL TRUCK AND ENGINE CORPORATION

455 NORTH CITYFRONT PLAZA DRIVE, CHICAGO, IL 60611

TELEPHONE 312-838-2000

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**TRUCK GROUP**

**SAFETY RECALL 00511**

April, 2001

Dear International Customer:

This Safety Recall is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. International has determined that 2000, 4000, 5000, 8000 and 9000 model tractors (with code 04092) and built within the following build date ranges, have a defect, which relates to motor vehicle safety:

- Springfield Plant: vehicles built from 3/1/98 to 6/16/00
- Chatham Plant: vehicles built from 3/1/98 to 6/27/00
- Escobedo Plant: vehicles built from 3/1/98 to 6/20/00
- Garland Plant: vehicles built from 3/1/98 to 7/11/00.

In September of 2000 International notified customers of this issue and projected part availability for April 2001. Parts are now available and this letter is the official notification for customers to have their Bendix Anti-lock Braking System electronic control unit replaced by their local dealer.

If you are not the owner, we need your help finding the current owner; **PLEASE** read paragraph number four under **"ACTIONS YOU SHOULD TAKE."**

**REASON FOR THIS RECALL**

**RISK TO MOTOR VEHICLE SAFETY:** Your vehicle could experience an extended stopping distance without warning when the vehicle is decelerating from 8 to 4 miles per hour. If an extended stopping distance occurs, **your vehicle could be involved in an accident, which could result in property damage, personal injury, or death.**

**DEFECT DESCRIPTION:** This defect involves the Bendix EC-17 1030R electronic control unit (ECU) which controls the Antilock Braking System (ABS). The ECU can misinterpret erratic signals that can be generated by one of two conditions: 1. A chafed wheel speed sensor wire on a rotating part, or 2. An incorrect gap between a tone ring and a wheel speed sensor. Either of these conditions can cause the air ABS ECU to exhaust the air at the air brake modulators for one or more of the wheels. During the above described conditions, the ABS warning indicator light may not come on to warn the driver of an ABS malfunction.

## **ACTIONS YOU SHOULD TAKE**

- 1. Our records show that you are the owner of the vehicle identified on the enclosed card. If you are not the owner, please read paragraph number four.**
- 2. Please contact your local International dealer, with your recall card in hand, to schedule an appointment to have your Bendix ABS ECU replaced. This repair will be performed without charge to you and will require approximately one hour. Please take your recall card to your scheduled appointment.**
- 3. If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us.**
- 4. If you no longer own the vehicle described on the card, please complete the card, fill in the new customer name and address if known, and return it to us. This information will allow us to update our records so we can contact the new owner as soon as possible and you will not be contacted again regarding this Safety Recall.**

## **IF YOU NEED ASSISTANCE**

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-888-327-4236 if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

**We urge your prompt attention to the correction of this safety defect and apologize for any inconvenience this may cause.**

**INTERNATIONAL TRUCK AND ENGINE CORPORATION**



Freightliner LLC  
P.O. Box 4090  
Portland, OR 97208-4090  
800.547.0712 Phone  
503.746.7415 Fax

August 2000  
FL266A

Dear Freightliner Custom Chassis or Sterling Emergency Vehicle Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicles Safety Act. Freightliner LLC, on behalf of its wholly owned subsidiaries, Freightliner Custom Chassis Corporation and Sterling Truck Corporation, has determined that a defect which relates to motor vehicle safety exists on the vehicle(s) identified on the enclosed Safety Recall Notice.

The defect involves specific model FS-65 school bus chassis and Sterling fire, rescue, and emergency service vehicles manufactured between March 1998 and August 2000 and equipped with Bendix ABS EC-17 electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in an inability to stop the vehicle and a potential vehicle crash without prior warning.

Repair kits are currently being manufactured. We expect kits to be shipped by the manufacturer no later than November 2000. You should contact your authorized dealer regarding scheduling and availability of parts. If parts are not available in time to meet your operating requirements, an inspection of the wheel speed sensors, associated wiring, and tone rings must be performed to assure that there are no defects present that could trigger a response by the ECU that results in loss of braking. If you have other questions, you may contact the Warranty Campaigns Department.

This defect will be remedied without charge. The repair consists of replacing the ABS ECU with a new ECU. The repair will require approximately 1 hour per vehicle. If the wheel speed hardware must be inspected prior to replacement of the ECU, the inspection will require approximately 2.5 hours.

If you do not own the vehicle that corresponds to the identification number(s) that appears on the Safety Recall Notice, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle(s), please make sure this notification is immediately forwarded to the lessee.

If you are unable to have the defect remedied without charge and within a reasonable time after the vehicle is tendered for repair, please contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:30 p.m. Monday through Friday Pacific Time, or the Freightliner Customer Assistance Center at (800) FTL-HELP, after normal business hours. You may wish to notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call (800) 424-9393. If your vehicle is part of the Canadian portion, you may wish to notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (613) 993-9851.

We regret any inconvenience this action may cause, but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Freightliner LLC is a Member  
of the Daimler-Benz Group



A DaimlerChrysler Company

Freightliner LLC  
P.O. Box 4090  
Portland, OR 97208-4090  
(800) 547-0712 Phone  
(503) 745-7415 Fax

September 2000  
FL285A-B

Dear Freightliner or Sterling Vehicle Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicles Safety Act. Freightliner LLC, on behalf of its Freightliner Trucks Division and wholly owned subsidiary, Sterling Truck Corporation, has determined that a defect which relates to motor vehicle safety exists on the vehicle(s) identified on the enclosed form.

The defect involves specific Freightliner and Sterling vehicles manufactured between February 13, 1998, and August 16, 2000, equipped with Bendix ABS EC-17-1030R electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in extended stopping distance and a potential vehicle crash without prior warning. The risk is greatest for straight trucks and tractors operating without trailers. Trailers have independent braking systems which would continue to operate normally.

Repair kits are currently being manufactured. We expect availability of replacement ECUs to be no later than November 2000 for trucks and April 2001 for tractors. These dates are based on Bendix's ability to supply parts and priorities approved by the National Highway Traffic Safety Administration. Contact your authorized dealer regarding scheduling and availability of parts. If parts are not available to meet your requirements, an inspection of the wheel speed sensors, associated wiring, and tone rings must be performed to assure that there are no conditions present that could trigger a response by the ECU that results in a loss of braking. The inspection may be performed by any authorized Freightliner or Sterling dealer regardless of the brand of your vehicle. If you have other questions, you may contact the Warranty Campaigns Department.

This defect will be remedied without charge. The repair consists of replacing the ABS ECU with a new ECU. This repair will require approximately 1.0 hour per vehicle. If an inspection prior to replacement of the ECU (as described in the paragraph above) is needed, it will require approximately 2.5 hours.

If you do not own the vehicle that corresponds to the Identification number(s), which appears on the Recall Notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, please make sure this notification is immediately forwarded to the lessee.

If you are unable to have the defect remedied without charge and within a reasonable time after the vehicle is tendered for repair, please contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:30 p.m. Monday through Friday Pacific Time, or the Freightliner Customer Assistance Center at (800) FTL-HELP, after normal business hours. You may wish to notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call (800) 424-9393. If your vehicle is part of the Canadian portion, you may wish to notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (613) 993-9851.

We regret any inconvenience this action may cause, but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Freightliner LLC is a Member  
of the Daimler-Benz Group



A DaimlerChrysler Company

RECEIVED

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OFFICE  
DEFECTS INVESTIGATION

Gary W. Rossow  
Director  
Government Technical Affairs

October 18, 2000

Freightliner LLC  
4747 N Channel Ave.  
Portland, OR 97217  
503.745.8882 Phone  
503.745.8800 Fax  
GaryRossow@Freightliner.com

Office of Defects Investigation, Room 5326  
National Highway Traffic Safety Administration  
400 Seventh St., S.W.  
Washington, D.C. 20590

Attn: Jonathan D. White

Subject: Information Report, NHTSA No. 00V-232.002

In accordance with Title 49, Part 573, Freightliner LLC herewith submits an information report supplying a copy of a revised notification letter sent to purchasers.

Sincerely,

Gary W. Rossow

Cc: Michael Mason, CAL-OSHA

Certified Mail No. Z 224 782 576

## **Section 573.5 Defect Information Report**

**Supplement No.: 3**

**Date: October 18, 2000**

**(c) (1) Manufacturer: FREIGHTLINER LLC**  
P.O. BOX 3849  
Portland, Oregon 97208  
(503) 735-8078

**(c) (10) Copy of proposed owner notification letter:**

Revised owner notification began on 9/29/00 and was completed 9/29/00.

**(c) (11) Manufacturer's campaign number: FL-266**





Freightliner LLC  
P.O. Box 4080  
Portland, OR 97208-4080  
800.547.0712 Phone  
503.745.7415 Fax

September 2000  
FL266AB

Dear Freightliner or Sterling Vehicle Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicles Safety Act. Freightliner LLC, on behalf of its Freightliner Trucks Division and wholly owned subsidiary, Sterling Truck Corporation, has determined that a defect which relates to motor vehicle safety exists on the vehicle(s) identified on the enclosed form.

Our records have been updated, and this mailing is being sent to assure that all owners receive notification of this recall campaign. You may have already received this notice, however, please review the following information.

The defect involves specific Freightliner and Sterling vehicles manufactured between February 13, 1998, and August 18, 2000, equipped with Bendix Anti-lock Braking System (ABS) EC-17-1030R electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in extended stopping distance and a potential vehicle crash without prior warning. The risk is greatest for straight trucks and tractors operating without trailers. Trailers have independent braking systems that would continue to operate normally.

Repair kits are currently being manufactured. We expect availability of replacement ECUs to be no later than November 2000 for trucks and April 2001 for tractors. These dates are based on Bendix's ability to supply parts and priorities approved by the National Highway Traffic Safety Administration.

In the interim, an inspection of the wheel speed sensors, associated wiring, and tone rings must be performed to assure that there are no conditions present that could trigger a response by the ECU that results in a loss of braking. The inspection may be performed by any authorized Freightliner or Sterling dealer, regardless of the brand of your vehicle. Please contact your authorized dealer regarding scheduling of inspections and availability of parts. If you have other questions, you may contact the Warranty Campaigns Department.

This defect will be remedied without charge. The repair consists of replacing the ABS ECU with a new ECU. This repair will require approximately 1.0 hour per vehicle. If an inspection prior to replacement of the ECU (as described in the paragraph above) is needed, it will require between 2.5 and 7.0 hours.

If you do not own the vehicle that corresponds to the identification number(s) that appears on the Recall Notification, please return it to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, please make sure this notification is immediately forwarded to the lessee.

If you are unable to have the defect remedied without charge and within a reasonable time after the vehicle is tendered for repair, please contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:30 p.m. Monday through Friday Pacific Time, or the Freightliner Customer Assistance Center at (800) FTL-HELP, after normal business hours. You may wish to notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call (800) 424-9393. If your vehicle is part of the Canadian portion, you may wish to notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (613) 993-9851.

We regret any inconvenience this action may cause, but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Freightliner LLC is a Member  
of the Daimler-Benz Group



RECEIVED

00 OCT 23 PM 2: 23

OFFICE  
DEFECTS INVESTIGATION

Gary W. Rossow  
Director  
Government Technical Affairs

October 18, 2000

Freightliner LLC  
4747 N Channel Ave.  
Portland, OR 97217  
503.745.8882 Phone  
503.745.8800 Fax  
Gary.Rossow@Freightliner.com

Office of Defects Investigation, Room 5328  
National Highway Traffic Safety Administration  
400 Seventh St., S.W.  
Washington, D.C. 20590

Attn: Jonathan D. White

Subject: Information Report, NHTSA No. 00V-232.002

In accordance with Title 49, Part 573, Freightliner LLC herewith submits an information report supplying a copy of a revised notification letter sent to purchasers.

Sincerely,

Gary W. Rossow

Cc: Michael Mason, CAL-OSHA

Certified Mail No. Z 224 782 576

## **Section 573.5 Defect Information Report**

### **Supplement No.: 3**

**Date:** October 18, 2000

**(c) (1) Manufacturer:** FREIGHTLINER LLC  
P.O. BOX 3849  
Portland, Oregon 97208  
(503) 735-8078

**(c) (10) Copy of proposed owner notification letter:**

Revised owner notification began on 9/29/00 and was completed 9/29/00.

**(c) (11) Manufacturer's campaign number:** FL-266



Freightliner LLC  
P.O. Box 4090  
Portland, OR 97208-4090  
800.547.0712 Phone  
503.745.7415 Fax

September 2000  
FL288AB

Dear Freightliner or Sterling Vehicle Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicles Safety Act. Freightliner LLC, on behalf of its Freightliner Trucks Division and wholly owned subsidiary, Sterling Truck Corporation, has determined that a defect which relates to motor vehicle safety exists on the vehicle(s) identified on the enclosed form.

Our records have been updated, and this mailing is being sent to assure that all owners receive notification of this recall campaign. You may have already received this notice, however, please review the following information.

The defect involves specific Freightliner and Sterling vehicles manufactured between February 13, 1998, and August 16, 2000, equipped with Bendix Anti-lock Braking System (ABS) EC-17-1030R electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in extended stopping distance and a potential vehicle crash without prior warning. The risk is greatest for straight trucks and tractors operating without trailers. Trailers have independent braking systems that would continue to operate normally.

Repair kits are currently being manufactured. We expect availability of replacement ECUs to be no later than November 2000 for trucks and April 2001 for tractors. These dates are based on Bendix's ability to supply parts and priorities approved by the National Highway Traffic Safety Administration.

In the interim, an inspection of the wheel speed sensors, associated wiring, and tone rings must be performed to assure that there are no conditions present that could trigger a response by the ECU that results in a loss of braking. The inspection may be performed by any authorized Freightliner or Sterling dealer, regardless of the brand of your vehicle. Please contact your authorized dealer regarding scheduling of inspections and availability of parts. If you have other questions, you may contact the Warranty Campaigns Department.

This defect will be remedied without charge. The repair consists of replacing the ABS ECU with a new ECU. This repair will require approximately 1.0 hour per vehicle. If an inspection prior to replacement of the ECU (as described in the paragraph above) is needed, it will require between 2.5 and 7.0 hours.

If you do not own the vehicle that corresponds to the identification number(s) that appears on the Recall Notification, please return it to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, please make sure this notification is immediately forwarded to the lessee.

If you are unable to have the defect remedied without charge and within a reasonable time after the vehicle is tendered for repair, please contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:30 p.m. Monday through Friday Pacific Time, or the Freightliner Customer Assistance Center at (800) FTL-HELP, after normal business hours. You may wish to notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call (800) 424-9393. If your vehicle is part of the Canadian portion, you may wish to notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (613) 993-8851.

We regret any inconvenience this action may cause, but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Freightliner LLC is a Member  
of the Daimler-Benz Group



A DaimlerChrysler Company

RECEIVED

00 OCT 23 PM 2:23

OFFICE  
DEFECTS INVESTIGATION

Gary W. Rossow  
Director  
Government Technical Affairs

October 18, 2000

Freightliner LLC  
4747 N Channel Ave.  
Portland, OR 97217  
503.745.6562 Phone  
503.745.6800 Fax  
GaryRossow@Freightliner.com

Office of Defects Investigation, Room 5326  
National Highway Traffic Safety Administration  
400 Seventh St., S.W.  
Washington, D.C. 20590

Attn: Jonathan D. White

Subject: Information Report, NHTSA No. 00V-232.002

In accordance with Title 49, Part 573, Freightliner LLC herewith submits an information report supplying a copy of a revised notification letter sent to purchasers.

Sincerely,

A handwritten signature in cursive script that reads "Gary W. Rossow".

Gary W. Rossow

Cc: Michael Mason, CAL-OSHA

Certified Mail No. Z 224 782 576

## **Section 573.5 Defect Information Report**

### **Supplement No.: 3**

**Date:** October 18, 2000

**(c) (1) Manufacturer:** FREIGHTLINER LLC  
P.O. BOX 3849  
Portland, Oregon 97208  
(503) 735-8078

**(c) (10) Copy of proposed owner notification letter:**

Revised owner notification began on 9/29/00 and was completed 9/29/00.

**(c) (11) Manufacturer's campaign number:** FL-266



Freightliner LLC  
P.O. Box 4080  
Portland, OR 97208-4080  
800.547.0712 Phone  
503.745.7415 Fax

September 2000  
FL266AB

Dear Freightliner or Sterling Vehicle Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicles Safety Act. Freightliner LLC, on behalf of its Freightliner Trucks Division and wholly owned subsidiary, Sterling Truck Corporation, has determined that a defect which relates to motor vehicle safety exists on the vehicle(s) identified on the enclosed form.

Our records have been updated, and this mailing is being sent to assure that all owners receive notification of this recall campaign. You may have already received this notice, however, please review the following information.

The defect involves specific Freightliner and Sterling vehicles manufactured between February 13, 1998, and August 16, 2000, equipped with Bendix Anti-lock Braking System (ABS) EC-17-1030R electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in extended stopping distance and a potential vehicle crash without prior warning. The risk is greatest for straight trucks and tractors operating without trailers. Trailers have independent braking systems that would continue to operate normally.

Repair kits are currently being manufactured. We expect availability of replacement ECUs to be no later than November 2000 for trucks and April 2001 for tractors. These dates are based on Bendix's ability to supply parts and priorities approved by the National Highway Traffic Safety Administration.

In the interim, an inspection of the wheel speed sensors, associated wiring, and tone rings must be performed to assure that there are no conditions present that could trigger a response by the ECU that results in a loss of braking. The inspection may be performed by any authorized Freightliner or Sterling dealer, regardless of the brand of your vehicle. Please contact your authorized dealer regarding scheduling of inspections and availability of parts. If you have other questions, you may contact the Warranty Campaigns Department.

This defect will be remedied without charge. The repair consists of replacing the ABS ECU with a new ECU. This repair will require approximately 1.0 hour per vehicle. If an inspection prior to replacement of the ECU (as described in the paragraph above) is needed, it will require between 2.5 and 7.0 hours.

If you do not own the vehicle that corresponds to the identification number(s) that appears on the Recall Notification, please return it to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, please make sure this notification is immediately forwarded to the lessee.

If you are unable to have the defect remedied without charge and within a reasonable time after the vehicle is tendered for repair, please contact the Warranty Campaigns Department at (800) 547-0712, from 7:00 a.m. to 4:30 p.m. Monday through Friday Pacific Time, or the Freightliner Customer Assistance Center at (800) FTL-HELP, after normal business hours. You may wish to notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call (800) 424-9393. If your vehicle is part of the Canadian portion, you may wish to notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (613) 993-9851.

We regret any inconvenience this action may cause, but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Freightliner LLC is a Member  
of the Daimler-Benz Group



**Volvo Trucks North America, Inc.**

RECEIVED

00 SEP 19 AM 10:06

OFFICE  
DEFECTS INVESTIGATION

September 12, 2000

**CERTIFIED MAIL - RETURN RECEIPT**

Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, DC 20590

RE: NHTSA Recall Campaign Number: 00V-232.003  
Volvo Trucks North America, Inc., Recall Number: RVXX0003

Volvo Trucks North America, Inc. of Greensboro, North Carolina, per the requirements of 49 CFR Part 573.5(c)(9), herewith submits a copy of its recall owner interim letter notice for the subject recall. Mailing of the owner letters was started and completed on September 8, 2000.

Very Truly Yours

Charles D. Powell  
Recall Administrator

Enclosures (1)





**Volvo Trucks North America, Inc.**

September 6, 2000

Dear Volvo Truck Owner:

Volvo Trucks North America, Inc. has been working with Bendix Commercial Vehicle Systems and other heavy truck manufacturers to address an issue regarding Bendix' EC-17-103R electronic control unit ("ECU") used in their antilock brake systems. Bendix has determined that certain components in the ABS brake system can generate an erratic signal that the Bendix ECU does not always recognize as a faulty signal. On occasion, the Bendix ECU has misinterpreted the faulty signal and has temporarily activated the ABS on one or more wheels during braking at low speeds. The result is the loss of full braking ability for a short period of time. This occurrence, although rare from an industry-wide perspective, could happen at speeds below 20 miles per hour. The loss of braking can last for up to four seconds after which, full braking is restored.

Volvo Trucks and Bendix have notified the National Traffic Safety Administration of this issue, and will be cooperating to conduct a safety recall to address this issue.

There currently is not an adequate supply of replacement ECUs available to immediately repair all affected vehicles. A plan has been developed that will address the most critical applications first. School buses will be recalled first, then critical straight truck applications, then other straight truck applications and then tractors. The vehicles reported to have this potential problem are limited to buses and straight trucks. No tractors have been reported as having this problem. The reports Volvo Truck has received relate only to refuse trucks.

Bendix has already taken steps to maximize its production capacity in order to manufacture the required number of ECUs for the recall. As it will take some time to generate a supply of replacement ECUs, you will be notified at a later date when a replacement ECU is available for your vehicle. In the meantime, there are some steps Bendix recommends you can take to reduce the chances that a problem will develop:

- Inspect your vehicle for chafed ABS wheel speed sensor wires rubbing on rotating components. If you see any such condition, repair the chafed wires and tie them down to prevent recurrence of the chafing.
- If the ABS dash lamp comes on, get your ABS serviced, even if the lamp goes off.
- If, during vehicle operation, you sense that you do not have brakes and cannot stop your vehicle, apply the parking brakes by pulling the yellow dash knob out. The parking brakes will engage.
- Report any unwanted ABS activation or brake performance issues to a Volvo Truck Dealer.
- Once you receive your vehicle's recall notice, plan to have the ECU changed out promptly.

If you have questions, please call us at (800) 541-6535. We appreciate your cooperation with this campaign.

# SAFETY RECALL NOTICE

**VOLVO**

**SAFETY RECALL RVXX0003  
DECEMBER 2000**

Dear Volvo Truck Owner:

This notice is sent to you in accordance with the requirements of the National Highway Traffic and Motor Vehicle Safety Act.

Volvo Trucks North America, Inc. has decided that a defect that relates to motor vehicle safety exists in certain AC, VN, WAH, WG, WX, WXR, and WXL model vehicles built between November 6, 1997 and August 7, 2000.

- SAFETY DEFECT:** The Bendix Antilock Brake System (ABS), Electronic Control Unit (ECU) can at low speed (20 miles or less) misinterpret, certain signals from the wheel end sensors.
- POTENTIAL RISK:** If this condition occurs it can result in the temporary loss of braking capability on one or more wheel positions, increasing stopping distances with potential for vehicle crash.
- PRECAUTION YOU CAN TAKE:** There are no precautions you can take other than having a Volvo truck dealer replace the Bendix ABS, ECU.
- REPAIR:** At no charge to you regardless of your vehicle's age or mileage, a Volvo truck dealer will install a new Bendix ABS, ECU.  
*Pre-existing ECU fault code correction expenses are not covered by this recall.*
- TIME REQUIRED FOR THE REPAIR:** The labor time required to repair your vehicle is about forty-five minutes.
- WHAT YOU SHOULD DO:** Volvo Trucks North America, Inc. urges you to contact a Volvo truck dealer for a service appointment to have your vehicle repaired. At the same time you are scheduling your service appointment, you will need to tell the dealer the recall priority code assigned to your vehicle. The recall priority code for your vehicle is found at the right of the recall number printed on the "Owner Response Card" i.e. RVXX0003 A, or RVXX003 B, or RVXX003 C.  
Parts are currently available for shipment to the dealer scheduling your service appointment.

**NOTICE REGARDING  
LEASED VEHICLES:**

If you are a Lessor of vehicles subject to this Notice, you have an obligation under Federal Law to provide a copy of this Notice to all Lessees within 10 days of your receipt of this Notice. Further, you must maintain a record which identifies the Lessee(s) to whom you send a copy of this letter, the date you send this letter, and the Vehicle Identification Number(s) of the vehicle(s) that you have leased to that Lessee. For purposes of this Notice, the term Lessor means: a person or entity that is the owner, as reflected on the vehicle's title, of any five or more leased vehicles (as defined in 49 CFR Section 577.4), as of the date of notification by the manufacturer of the existence of a safety-related defect or non-compliance with a Federal Motor Vehicle Safety Standard in one or more of the leased motor vehicles.

**OWNER RECALL  
RESPONSE CARD:**

The enclosed "Owner Recall Response Card" identifies your vehicle. Presentation of this card to your dealer will assist in the processing of your vehicle in the shortest time possible. If you do not own, have sold or have traded the vehicle identified, please let us know by completing, and signing the postage-paid Card and returning it to Volvo Trucks North America, Inc. so we can update our records.

**ASSISTANCE:**

If your vehicle has not been modified within a reasonable time after delivering it to the dealer on the agreed-upon date, please contact:

Volvo Trucks North America, Inc.

Recall Department

P.O. Box 26115

Greensboro, NC 27402-6115

or call our toll-free number: 1-800-528-6586. You may also submit a complaint to the Administrator, National Highway Safety Administration, 400 Seventh Street, S.W., Washington DC 20590 or call the toll-free Auto Safety Hot Line at 1-800-424-9393. Washington, DC area residents may call 202-366-0123.

We regret any inconvenience this recall may cause, but hope you will share in our concern for your safety and satisfaction with your vehicle.

Sincerely,

Volvo Trucks North America, Inc.



Volvo Trucks North America, Inc.

RECEIVED  
01 FEB 16 PM 2:01  
OFFICE  
DEFECTS INVESTIGATION

February 13, 2001

**CERTIFIED MAIL - RETURN RECEIPT**

Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, DC 20590

RE: NHTSA Recall Campaign Number: 00V-232.003  
Volvo Trucks North America, Inc., Recall Number: RVXX0003

Volvo Trucks North America, Inc. of Greensboro, North Carolina, per the requirements of 49 CFR Part 573.5(c)(9), herewith submits a copy of its owner notice for the subject recall. Mailing of the critical category "B" owner notices was started and completed on February 12, 2001.

Very Truly Yours

Charles D. Powell  
Recall Administrator

Enclosures (1)

# SAFETY RECALL NOTICE

**VOLVO**

**SAFETY RECALL RVXX0003  
FEBRUARY 2001**

Dear Volvo Truck Owner:

This notice is sent to you in accordance with the requirements of the National Highway Traffic and Motor Vehicle Safety Act.

Volvo Trucks North America, Inc. has decided that a defect that relates to motor vehicle safety exists in certain AC, VN, WAH, WG, WX, WXR, and WXL model vehicles built between November 6, 1997 and August 7, 2000.

- SAFETY DEFECT:** The Bendix Antilock Brake System (ABS), Electronic Control Unit (ECU-17) can at low speed (20 miles or less) misinterpret, certain signals from the wheel end sensors.
- POTENTIAL RISK:** If this condition occurs it can result in the temporary loss of braking capability on one or more wheel positions, increasing stopping distances with potential for vehicle crash.
- PRECAUTION YOU CAN TAKE:** There are no precautions you can take other than having a Volvo truck dealer replace the Bendix ABS, ECU.
- REPAIR:** At no charge to you regardless of your vehicle's age or mileage, a Volvo truck dealer will install a new Bendix ABS, ECU.  
*Pre-existing ECU fault code correction expenses are not covered by this recall.*
- TIME REQUIRED FOR THE REPAIR:** The labor time required to repair your vehicle is about forty-five minutes.
- WHAT YOU SHOULD DO:** Volvo Trucks North America, Inc. urges you to contact a Volvo truck dealer for a service appointment to have your vehicle repaired. At the same time you are scheduling your service appointment, you will need to tell the dealer the recall priority code assigned to your vehicle. The recall priority code for your vehicle is found at the right of the recall number printed on the "Owner Response Card" i.e. RVXX0003 A, or RVXX003 B, or RVXX003 C.  
Parts are currently available for shipment to the dealer scheduling your service appointment.

**NOTICE REGARDING  
LEASED VEHICLES:**

If you are a Lessor of vehicles subject to this Notice, you have an obligation under Federal Law to provide a copy of this Notice to all Lessees within 10 days of your receipt of this Notice. Further, you must maintain a record which identifies the Lessee(s) to whom you send a copy of this letter, the date you send this letter, and the Vehicle Identification Number(s) of the vehicle(s) that you have leased to that Lessee. For purposes of this Notice, the term Lessor means: a person or entity that is the owner, as reflected on the vehicle's title, of any five or more leased vehicles (as defined in 49 CFR Section 577.4), as of the date of notification by the manufacturer of the existence of a safety-related defect or non-compliance with a Federal Motor Vehicle Safety Standard in one or more of the leased motor vehicles.

**OWNER RECALL  
RESPONSE CARD:**

The enclosed "Owner Recall Response Card" identifies your vehicle. Presentation of this card to your dealer will assist in the processing of your vehicle in the shortest time possible. If you do not own, have sold or have traded the vehicle identified, please let us know by completing, and signing the postage-paid Card and returning it to Volvo Trucks North America, Inc. so we can update our records.

**ASSISTANCE:**

If your vehicle has not been modified within a reasonable time after delivering it to the dealer on the agreed-upon date, please contact:

Volvo Trucks North America, Inc.

Recall Department

P.O. Box 26115

Greensboro, NC 27402-6115

or call our toll-free number: 1-800-528-6586. You may also submit a complaint to the Administrator, National Highway Safety Administration, 400 Seventh Street, S.W., Washington DC 20590 or call the toll-free Auto Safety Hot Line at 1-800-424-9393. Washington, DC area residents may call 202-366-0123.

We regret any inconvenience this recall may cause, but hope you will share in our concern for your safety and satisfaction with your vehicle.

Sincerely,  
Volvo Trucks North America, Inc.



Volvo Trucks North America, Inc.

RECEIVED  
01 JUN -4 AM 11:38  
OFFICE OF THE ATTORNEY GENERAL

May 29, 2001

**CERTIFIED MAIL - RETURN RECEIPT**

Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, DC 20590

RE: NHTSA Recall Campaign Number: 00V-232.003  
Volvo Trucks North America, Inc., Recall Number: RVXX0003

Volvo Trucks North America, Inc. of Greensboro, North Carolina, per the requirements of 49 CFR Part 573.5(c)(9), herewith submits a copy of its owner notice for the subject recall. Mailing of the critical category "C" owner notices was started and completed on May 24, 2001.

This completes all owner notifications associated with the subject recall.

Very Truly Yours

Charles D. Powell  
Recall Administrator

Enclosures (1)

# SAFETY RECALL NOTICE

**VOLVO****SAFETY RECALL RVXX0003****MAY 2001**

Dear Volvo Truck Owner:

This notice is sent to you in accordance with the requirements of the National Highway Traffic and Motor Vehicle Safety Act.

Volvo Trucks North America, Inc. has decided that a defect that relates to motor vehicle safety exists in certain AC, VN, WAH, WG, WX, WXR, and WXLL model vehicles built between November 6, 1997 and August 7, 2000.

**SAFETY DEFECT:** The Bendix Antilock Brake System (ABS), Electronic Control Unit (ECU-17) can at low speed (20 miles or less) misinterpret, certain signals from the wheel end sensors.

**POTENTIAL RISK:** If this condition occurs it can result in the temporary loss of braking capability on one or more wheel positions, increasing stopping distances with potential for vehicle crash.

**PRECAUTION YOU CAN TAKE:** There are no precautions you can take other than having a Volvo truck dealer replace the Bendix ABS, ECU.

**REPAIR:** At no charge to you regardless of your vehicle's age or mileage, a Volvo truck dealer will install a new Bendix ABS, ECU.  
*Pre-existing ECU fault code correction expenses are not covered by this recall.*

**TIME REQUIRED FOR THE REPAIR:** The labor time required to repair your vehicle is about forty-five minutes.

**WHAT YOU SHOULD DO:** Volvo Trucks North America, Inc. ~~urges~~ you to contact a Volvo truck dealer for a service appointment to have your vehicle repaired. At the same time you are scheduling your service appointment, you will need to tell the dealer the recall priority code assigned to your vehicle. The recall priority code for your vehicle is found at the right of the recall number printed on the "Owner Response Card" i.e. RVXX0003 A, or RVXX0003 B, or RVXX0003 C.  
Parts are currently available for shipment to the dealer scheduling your service appointment.



**NOTICE REGARDING  
LEASED VEHICLES:**

If you are a Lessor of vehicles subject to this Notice, you have an obligation under Federal Law to provide a copy of this Notice to all Lessees within 10 days of your receipt of this Notice. Further, you must maintain a record which identifies the Lessee(s) to whom you send a copy of this letter, the date you send this letter, and the Vehicle Identification Number(s) of the vehicle(s) that you have leased to that Lessee. For purposes of this Notice, the term Lessor means: a person or entity that is the owner, as reflected on the vehicle's title, of any five or more leased vehicles (as defined in 49 CFR Section 577.4), as of the date of notification by the manufacturer of the existence of a safety-related defect or non-compliance with a Federal Motor Vehicle Safety Standard in one or more of the leased motor vehicles.

**OWNER RECALL  
RESPONSE CARD:**

The enclosed "Owner Recall Response Card" identifies your vehicle. Presentation of this card to your dealer will assist in the processing of your vehicle in the shortest time possible. If you do not own, have sold or have traded the vehicle identified, please let us know by completing, and signing the postage-paid Card and returning it to Volvo Trucks North America, Inc. so we can update our records.

**ASSISTANCE:**

If your vehicle has not been modified within a reasonable time after delivering it to the dealer on the agreed-upon date, please contact:

Volvo Trucks North America, Inc.  
Recall Department  
P.O. Box 26115  
Greensboro, NC 27402-6115

or call our toll-free number: 1-800-528-6586. You may also submit a complaint to the Administrator, National Highway Safety Administration, 400 Seventh Street, S.W., Washington DC 20590 or call the toll-free Auto Safety Hot Line at 1-800-424-9393. Washington, DC area residents may call 202-366-0123.

We regret any inconvenience this recall may cause, but hope you will share in our concern for your safety and satisfaction with your vehicle.

Sincerely,  
Volvo Trucks North America, Inc.



Volvo Trucks North America, Inc.

RECEIVED

2002 FEB 25 A 11:55

February 11, 2002

OFFICE OF  
DEFECTS INVESTIGATION

**CERTIFIED MAIL - RETURN RECEIPT**

Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, DC 20590

RE: NHTSA Recall Campaign Number: 00V-232.003  
Volvo Trucks North America, Inc., Recall Number: RVXX0003

Volvo Trucks North America, Inc. of Greensboro, North Carolina, per the requirements of 49 CFR Part 573.5(c)(9), herewith submits a copy of its "Safety Recall Follow-Up Notice" for the subject recall. Mailing of the notices was started and completed on February 7, 2002.

Very Truly Yours

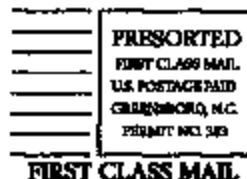
Charles D. Powell  
Recall Administrator

Enclosures (1)

# VOLVO

Volvo Trucks North America, Inc.

P.O. BOX 26115  
GREENSBORO, NC 27402-6115



VOLVO TRUCKS NORTH AMERICA, INC.		
002	RVXX0003	
BENDIX ABS ECU MAY FAIL AT LOW SPEED RESULTING IN TEMPORARY LOSS OF BRAKING		

OWNER

# VOLVO

Volvo Trucks North America, Inc.

## SAFETY RECALL FOLLOW-UP NOTICE

Dear Volvo Truck Owner:

Volvo Trucks North America notified owners of record of a safety related defect affecting the vehicle identified on the front of this card. A brief description of the recall is also found on the front of the card. According to our records the vehicle has not been inspected or repaired.

Volvo Trucks North America  ~~urges~~  you to make a service appointment at a Volvo truck dealer as soon as possible. The recall will be performed on your vehicle without charge to you. Continued operation of a vehicle with a safety related defect may put you and those in or around the vehicle at risk of injury.

If your vehicle has been inspected and/or repaired please disregard this notice.

Sincerely,  
Volvo Trucks North America, Inc.

CC013-R0118A



**W-0003**

## **SAFETY RECALL NOTICE**

September, 2000

Dear Western Star Owner:

**RE: Western Star Recall Notice W-0003 – Bendix EC-17-1030R ECU for antilock braking systems (ABS)**

This notice is sent to you in accordance with the requirements of 49CFR Part 577 of the National Traffic and Motor Vehicle Safety Act.

Western Star Trucks Inc. has identified you as an owner of one of the vehicles affected by this Recall.

«Registry\_Id» «Truck\_Model»

If you do not own the vehicle whose serial number appears above, it is *important* that you return this notice to Western Star Trucks Inc. with any information you can furnish that will assist us in locating the present owner.

### **Vehicles Affected:**

Western Star Trucks Inc. has determined that a defect which relates to motor vehicle safety exists in its Western Star Solar Series, Class 7, vehicles manufactured between October 1, 1999 and June 26, 2000.

### **The Problem:**

The defect arises in Western Star Solar Series, Class 7, vehicles equipped with Bendix ABS EC-17-1030R electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in an inability to stop the vehicle and a potential vehicle crash without prior warning.

Repair kits are currently being manufactured. We expect kits to be shipped by the manufacturer no later than February 1, 2001. Upon notification that parts are available from the manufacturer, Western Star will mail a recall notice card to each owner. Please contact your dealer regarding scheduling and availability of parts.

If parts are not available in time to meet your operating requirements, an inspection of the wheel speed sensors, associated wiring and tone rings must be performed to assure that there are no defects present that could trigger a response by the ECU that results in the loss of braking.

If you have any other questions, you may contact Western Star's Compliance Engineering department at 250-868-6445.

### **What You Must Do:**

- If parts are not available, and you feel it is necessary to have your vehicle inspected, please contact your nearest Western Star dealer to book a service appointment to have the wheel speed sensors, associated wiring and tone rings inspected.
- Upon receipt of a Recall Notice card, Western Star Trucks Inc. **URGES** you to contact your nearest Western Star dealer *immediately* to book a service appointment to have the suspect ECU replaced.
- Please present the "Recall Notice" card to the dealer where the recall service will be performed.



If your vehicle is not modified within a reasonable time after tendering it to a Dealer at the agreed service date, please contact Western Star Trucks Inc., Compliance and Recall Department, 2076 Enterprise Way, Kelowna, BC, Canada, V1Y 6H8 (Phone: 250-868-6445). United States residents may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW., Washington, D.C., 20590, or call the toll free Auto Safety Hot-line at 800-424-9393 (Washington, D.C. residents may call 202-366-0123).

We regret any inconvenience this situation may cause, and hope you will share in our concern for your safety and satisfaction with our product.

**WESTERN STAR TRUCKS INC.  
VEHICLE REGULATIONS AND COMPLIANCE DEPARTMENT**

***Dear Isuzu F-Series Owner:***

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

**❑ WHAT IS THE CONDITION?**

General Motors has determined that a defect relating to motor vehicle safety exists in certain Model Year 1998 – 2001 F-Series Commercial Vehicles, equipped with Bendix ABS (Anti-Lock Brake System) air brakes. Some of these vehicles have a condition in which the vehicle may have unwanted temporary ABS activation at low speeds. If this occurs when minimum stopping distance is required, it could result in a vehicle crash.

**❑ WHAT WE WILL DO:**

Your dealer will replace the ABS air brake Electronic Control Unit (ECU) and inspect the ABS wheel sensor cables and wire harness for proper routing. This service will be performed for you at **no charge**.

**❑ WHAT YOU SHOULD DO:**

Please contact your Isuzu dealer as soon as possible to arrange a service date. Present this letter to your dealer or refer to Safety Campaign Bulletin SB01-09-C001. The earliest date your dealer can make this correction is March 15, 2001. The length of time required to perform this inspection and service correction is approximately one hour. To locate the Isuzu dealer nearest you, or if you have any questions regarding this matter, please call Owner Relations at 1-800-862-4389.

Your Isuzu dealer is best equipped to obtain parts and provide service to ensure that your vehicle receives this repair as promptly as possible. If you believe that the condition has not been or cannot be addressed within a reasonable time, you may contact:

**Owner Relations Department**  
Post Office Box 44947  
Detroit, MI 48244

After contacting your Isuzu dealer, or Owner Relations with any problems, if you are still not satisfied that we have done our best to remedy this condition without charge and within a reasonable time, you may wish to write the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street S. W., Washington, D.C. 20590; or call 1-888-DASH-2-DOT (1-888-327-4236).

We are sorry for this inconvenience; however, in the interest of your safety, it is very important that your vehicle be brought in to your Isuzu dealer as soon as possible.

Sincerely,

**AMERICAN ISUZU MOTORS INC.**

***IMPORTANT: If you have sold or traded your Isuzu vehicle, please enter the current owner's name and address, if known, on the enclosed "Change of Information" postcard and drop it in the mail. Postage has already been paid. We will contact the new owner.***



**R00EE**

September 06, 2000

Dear Blue Bird Owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Blue Bird Body Company has determined that a defect which relates to motor vehicle safety exists in certain 1998-2000 year model Blue Bird All American and TC/2000 school and transit buses and Q Bus and Commercial Series transit buses equipped with Bendix controlled ABS (antilock brake system) air brakes. Blue Bird is conducting a recall to correct this defect.

The defect involves the Bendix model ECU-17-1030R electronic control unit (ECU). Bendix has made Blue Bird aware of reported incidents of unwanted, temporary, ABS activation on units equipped with this model ECU. The unwanted activation on units equipped with this ECU will occur, **ONLY** if, there has been damage to the sensor, sensor wiring or tone ring. Blue Bird has received one report of a pulsing brake, which resulted from a chafed sensor wire.

Blue Bird Body Company's evaluation of the risk to motor vehicle safety reasonably related to this defect is unwanted, temporary, ABS activation in the event damage has occurred to the sensor wire, sensor or tone ring resulting in unexpected extended stopping distance of the vehicle at speeds below 20mph.

Bendix advises replacement electronic control units will be available in mid October with sufficient quantities for all buses by the end of November. **In the interim, the wheel sensor wiring should be inspected for chafing and contact with rotating wheel end components. In addition the wheel sensors and tone rings should be inspected for damage. Damaged parts should be replaced prior to returning the bus to service.** Any dash mounted ABS warning light activation should be checked using Bendix trouble shooting guide contained in the vehicle maintenance manual. The ECU-17 trouble shooting guide is also available at the following website: [www.bendix.com/Bendix-BusOEM.shtml](http://www.bendix.com/Bendix-BusOEM.shtml).

Your Blue Bird bus (es) affected by recall R00EE are identified by body serial number(s) on the enclosed reply sheets. If you no longer own the subject bus (es), please complete the appropriate section of the yellow reply sheet and return to Blue Bird in the enclosed pink postage prepaid envelope.

You may perform this modification yourself or have the work done by a qualified repair facility convenient to you. You may contact your Blue Bird distributor for assistance.

**BLUE BIRD BODY COMPANY**

P.O. Box 937 • Fort Valley, Georgia 31030 • (912) 825-2021

**ROOEE**

**Page 2**

To receive replacement electronic control units, verify that the address shown at the top of the yellow reply sheet is a valid UPS shipping address and return to Blue Bird in the pink self-addressed postage paid envelope. Bendix advises replacement electronic control units will be available in mid October with sufficient quantities for all buses by the end of November. Replacement electronic control units will be shipped "No Charge" via UPS or common carrier.

Upon completion of the recall the owner should complete and return the pink reply sheet in the postage prepaid envelope provided. The owner may request reimbursement of labor costs by completing the appropriate section of the pink reply sheet. If repair is performed by other than the owner or a Blue Bird distributor, attach a copy of the paid work order/invoice to the pink reply sheet. Time required to inspect the wheel sensors, wheel sensor wiring and tone rings is 2 hours per bus. It is not necessary to remove hub to inspect tone ring. Time required to remove the defective ECU-17-1030R electronic control unit and replace it with the new ECU-17-2.30 electronic control unit is 0.4 hours per bus.

Important: Your prompt return of the pink reimbursement sheet, complete with the correct Body Serial Numbers, permits Blue Bird to update our record indicating recall has been completed and prevents the mailing of a second notice. This is much appreciated. We regret any inconvenience this may have caused.

If Blue Bird Body Company should fail to or is unable to remedy this condition without charge to you, you may contact:

**ADMINISTRATOR  
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION  
WASHINGTON, D.C. 20590**

or you may call The National Highway Traffic Safety Administration toll free at:

1-800-424-9393

Washington D.C. residents may call: 202-366-0123.

Questions regarding this recall campaign should be directed to me at (912) 822-2242.

Thank you,



Bill Coleman  
Recall Administrator



**RECALL R00EE**  
**INSTRUCTIONS FOR REPLACING**  
**BENDIX ABS ELECTRONIC CONTROL UNIT**

1. Park buses on a level surface, apply parking brakes, turn engine off and remove ignition key.
2. Chock wheels.
3. Locate rear brake valve assembly in forward of rear axle. The Bendix Antilock Electronic Control Unit (EC-17) is mounted on this assembly.
4. Remove as much contamination as possible from the assembly's exterior. Keep the contamination away from open electrical connections.
5. Disconnect the two electrical connectors from the EC -17 1030R.
6. Note the mounting position of the EC-17 1030R on the mounting bracket. Remove the EC-17 1030R by removing four (4) existing ¼" lock nuts and bolts.
7. Mount the new EC17 - 2.30 ECU (BB # 0029673) in the same position as the previous EC-17 1030R. Attach the new EC17 -2.30 to the mounting bracket with four (4) new ¼-20 X 1 ¾, grade 5 bolts (BB# 1672153) and four (4) new ¼ -20 lock nuts (BB# 1339639). Tighten to 60-70 inch pounds.
8. Check new EC17-2.30 for dielectric grease. If the connector has none, add dielectric grease to connectors. Purchase locally if needed.
9. Reconnect the two electrical connectors to the EC17- 2.30 and torque to the electrical connector retaining bolts to 15-20 inch pounds.
10. Turn the ignition on, and then hold a magnet on the RESET position of the EC17- 2.30 diagnostic display until the LED's begin to flash in sequence and then remove the magnet. Approximate reset time is 20 seconds.  
NOTE: If the magnet is not removed during the LED flashing, a second self-configuration may be initiated.
11. After the configuration process is complete the EC17 -2.30 automatically will perform a self-test. LED's will display the new configuration.  
A. SEN + FRT (FRONT) + RER (REAR) = A Four Sensor system.
12. INITIAL START UP PROCEDURE: Turn the ignition on and observe the dash antilock lamp. The lamp will be on during the system self test (Chuff Test described below). After the self-test, the lamp blinks twice and then will remain off, provided no faults are detected. If the dash lamp remains on the system has located a fault. Inspect the red LED's located on the ECU and follow the troubleshooting information in Bendix SERVICE DATA BOOK SD-13-4788 for EC-17 ANTILOCK -TRACTION CONTROLLER. Trouble shooting guide is available on line at [www.bendix.com/bendix-busOEM.shtml](http://www.bendix.com/bendix-busOEM.shtml).  
CHUFF TEST: Upon initial power-up, the system will perform a short diagnostic activation of all modulators. With a light application of the brake pedal, the operator can monitor the activation of the solenoids by short blast of air coming from the modulators. The pattern of activation is Right Front, Left Front, Right Rear, and Left Rear. The pattern is performed twice at each power-up.
13. After the ECU has been replaced and is operating correctly, remove wheel chock.



Ford Motor Company  
P. O. Box 1904  
Dearborn, Michigan 48121

March 2001

00S28

Mr. John Sample  
123 Main Street  
Anywhere, USA 12345

Your Vehicle Identification Number: 12345678901234567

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Ford Motor Company has decided that a defect which relates to motor vehicle safety exists in certain 2000 and 2001 model year F-650 and F-750 vehicles.

We apologize for this situation and want to assure you that with your assistance we will correct this condition. Our commitment, together with Ford and Lincoln Mercury dealers, is to provide you with the highest level of service and support possible.

**What the safety issue is ...**

During application of service brakes, if vehicle speed is below 20 mph, the anti-lock brake ECU (Controller) in your vehicle may allow inappropriate activation of the anti-lock brakes resulting in increased stopping distance.

**What Ford Motor Company and your dealer will do ...**

Ford Motor Company will repair your vehicle free of charge (parts and labor.) To restore proper anti-lock brake operation, your dealer will replace the anti-lock brake ECU (Controller) with a redesigned ECU.

**How long will it take?**

The time needed for this repair is less than one-half day. However, due to service scheduling issues, your dealer may need your vehicle for a longer period of time.

**What we are asking  
you to do ...**

Call toll-free 1-800-248-0186 and inform the Ford representative that you wish to have your vehicle serviced under Safety Recall 00S28. Representatives are available 7:30AM to 7:30PM Monday through Friday, and 8:00AM to 3:00PM on Saturday (times are Eastern Time).

Please have this letter with you when you call. The Ford representative will ask for the serial number of your vehicle. The serial number is printed on the top of this letter.

Arrangements will be made with the dealership of your choice to have parts available. The dealership will call you to schedule an appointment. If you have not heard from your dealer within two working days, call your dealer to request a service appointment. You need do nothing else except bring your vehicle to the dealership on the service date.

If you misplace this letter, your dealer will still do the work, free of charge.

**If you've already paid  
for this service ...**

If you paid to have this service done before the date of this letter, Ford is offering a full refund. For the refund, please give your paid original receipt to your dealer. To avoid delays, do not send receipts to Ford Motor Company.

**If you've changed  
address or sold the  
vehicle ...**

Please fill out the enclosed prepaid postcard and mail it to us if you have changed address or sold the vehicle.

**If you have  
concerns ...**

If you have trouble getting your vehicle repaired promptly and without charge, please contact your dealership's Service Manager. If you still need assistance, please contact the Ford Motor Company Customer Relationship Center and one of our representatives will be happy to assist you:

CALL: (800) 392-3673  
(800) 232-5952 (TDD for the Hearing Impaired)

Office Hours: (Eastern Standard Time)

Monday-Friday: 8am - 11pm

Saturday: 9am - 8pm

or you may contact us through the Internet at:

[www.ownerconnection.com](http://www.ownerconnection.com)

Our current response time to Internet inquiries is three business days.

You also may send a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street S. W., Washington, D. C. 20590 or call the toll free Auto Safety Hotline at 1-888-327-4238 or 1-800-424-9393.

**Quality Care service  
is there for you all  
year round.**

**QualityCare**  
at your service

Quality Care is the commitment of Ford Motor Company and its dealerships to provide you with a superior service and ownership experience. While we regret the inconvenience caused by this program, we stand committed with our dealers to assist you with all of your automotive service needs. With our nationwide dealer network, we're here to ensure you receive Quality Care service so that your vehicle maintains peak performance throughout your ownership experience.

We pride ourselves on becoming the world's leading consumer company for automotive products and services. Thank you for your attention to this important matter.

Sincerely,



Ann O'Neill  
Director  
Vehicle Service and Programs

December, 2000

Dear General Motors Customer:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

**Reason For This Recall:** General Motors has decided that a defect which relates to motor vehicle safety exists in certain 1998-2001 Chevrolet and GMC C Series, T Series, and School Bus chassis medium duty vehicles equipped with Bendix ABS air brakes. Some of these vehicles have a condition in which the vehicle may have unwanted temporary ABS activation at low speeds. If this occurred when minimum stopping distance was required, it could result in a vehicle crash.

**What Will Be Done:** Your dealer will replace the air brake electronic control unit module and inspect the wheel sensor cables and wire harnesses for the proper routing. This service will be performed for you at no charge.

**How Long Will The Repair Take?** The length of time required to perform this inspection and service correction is approximately 40 minutes. Additional time may be required to schedule and process your vehicle. If your dealer has a large number of vehicles awaiting service, this additional time may be significant. Please ask your dealer if you wish to know how much additional time will be needed to schedule, process and repair your vehicle.

**Contacting Your Dealer:** Please contact your dealer as soon as possible to arrange a service date. Parts are available and instructions for making this correction have been sent to your dealer. Your dealer is best equipped to obtain parts and provide services to correct your vehicle as promptly as possible. Should your dealer be unable to schedule a service date within a reasonable time, you should contact the appropriate Customer Assistance Center at the listed number below:

Division	Number	Deaf, Hearing Impaired or Speech Impaired *
Chevrolet	1-800-222-1020	1-800-833-2438
GMC	1-800-462-8782	1-800-462-8583
GMODC	(905) 644-4112	
Puerto Rico - English	1-800-496-9992	
Puerto Rico - Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

\* Utilizes Telecommunication Devices for the Deaf/Text Telephones (TDD/TTY)

If, after contacting the appropriate Customer Assistance Center, you are still not satisfied that we have done our best to remedy this condition without charge and within a reasonable time, you may wish to write the Administrator, National

Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590 or call 1-888-327-4236.

**Customer Reply Card:** The attached customer reply card identifies your vehicle. Presentation of this card to your dealer will assist in making the necessary correction in the shortest possible time. If you no longer own this vehicle, please let us know by completing the attached and mailing it in the postage paid envelope.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your safety and continued satisfaction with our products.

General Motors Corporation

Enclosure



MACK TRUCKS, INC.  
WORLD HEADQUARTERS  
P.O. BOX M  
ALLENTOWN, PA 18105-5000  
TELEPHONE: 610.708.3011  
TELECOPIER: 610.709.2186

**DEAR MACK TRUCK OWNER:**

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Mack Trucks, Inc. has determined that a defect which relates to motor vehicle safety exists in the anti-lock brake system electronic control units (ABS ECU), and installed on class 8, CH, RD, MR and LE model vehicles equipped with Bendix ABS. The recall includes chassis built between July 1, 1998 and August 15, 2000.

**SAFETY DEFECT:** The Bendix ABS ECU misinterprets certain signals from wheel ends which can result in the temporary loss of braking capability on one or more wheel positions for several seconds.

**POTENTIAL RISK:** It has been determined that extended stopping distance when decelerating from 8 to 4 miles per hour may be experienced. The defect, if not corrected, could result in vehicle crash.

**IS THERE ANY WARNING OF AN IMPENDING MALFUNCTION?** The system is intended to perform a self-diagnosis to determine if it is operating properly. If a fault is found, the red indicator light on the dashboard should illuminate. However, Bendix the manufacturer of the ABS system, has not been able to state that this warning light would illuminate every time there was such an event. If at any time the red warning light illuminates, even briefly, you should take your truck in to be inspected.

**PRECAUTIONS YOU CAN TAKE:** If, when stopping, you experience a loss of brake performance, pull out the yellow parking brake knob on the dash, which will apply the parking brakes. This malfunction, if it were to occur, happens at decelerating from 8 to 4 miles per hour. Perform regular inspections of the vehicle brake system to ensure components are in proper working condition.

**TIME REQUIRED FOR THE REPAIR:** Time to remove and install the Bendix ABS ECU on CH and RD model chassis is 0.5 hour. On MR and LE model chassis, the time required is 1.0 hour.

**WHAT YOU SHOULD DO:** To prevent an in-service failure, we urge you to call the nearest Mack Parts and Service Center and make an appointment. The Bendix ABS ECU will be replaced at a Mack Parts and Service Center at no charge to you. All Mack Parts and Service Centers have been sent a bulletin covering all the details required to perform the campaign.

**NOTICE REGARDING  
LEASED VEHICLES:**

If you are a Lessor of vehicles subject to this Notice, you have an obligation under Federal Law to provide a copy of this Notice to all Lessees within 10 days of your receipt of this Notice. Further, you must maintain a record which identifies the Lessee(s) to whom you send a copy of this letter, the date you send this letter, and the Vehicle Identification Number(s) of the vehicle(s) that you have leased to that lessee. For purposes of this Notice, the term Lessor means: a person or entity that is the owner, as reflected on the vehicle's title, of any five or more leased vehicles (as defined in CFR Section 577.4), as of the date of notification by the manufacturer of the existence of a safety-related defect or non-compliance with a Federal Motor Vehicle Safety Standard in one or more of the leased motor vehicles.

**OWNER RECALL  
RESPONSE CARD:**

The enclosed "Notice of Vehicle Recall" identifies your vehicle. If you no longer own the truck, please help us update our records. Complete the "Vehicle Disposition Record" portion of the enclosed postage-free Notice of Mandatory Safety Campaign card and mail it to us.

**ASSISTANCE:**

If you experience any difficulty in obtaining the corrective service, you should contact the Mack Regional Service Office in your area (listed under "Regional Offices" in the Mack Sales, Parts & Service Center Directory) for assistance. The Regional Office will take the necessary action to ensure prompt correction of your vehicle.

If Mack Trucks, Inc. has not fixed your truck free within a reasonable time, you may submit a complaint to: Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, DC 20590, or call the toll-free Auto Safety Hotline at (888) 327-4236.

We regret any inconvenience this may cause to your operation, but hope you will appreciate our sincere efforts to demonstrate Mack's commitment to provide our customers with the best possible product.

**MACK TRUCKS, INC.  
WARRANTY DEPARTMENT**





A subsidiary of **FREIGHTLINER**  
CORPORATION

August 30, 2000

Recall 00V-232

Thomas Built Buses, Inc.  
PO Box 2450 (27261)  
1400 Courtey Road  
High Point, NC 27260  
(336) 888-4871 Phone  
(336) 888-2558 Fax

Dear Thomas Bus Owner,

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act and the Canadian Motor Vehicles Safety Act. Thomas Built Buses has determined that a defect, which relates to motor vehicle safety exists on the vehicle(s) identified on the enclosed postcard (Form PSD 304).

The defect involves Thomas MVP-ER, MVP-EF, ER Transit, TL960 and CL960 units manufactured between March 1998 and August 2000 and equipped with Bendix ABS EC-17 electronic control units (ECU). The ECU can misinterpret certain signals from wheel ends, which can result in the temporary loss of braking capability in one or more wheel positions. This may result in an inability to stop the vehicle and potential vehicle crash without prior warning.

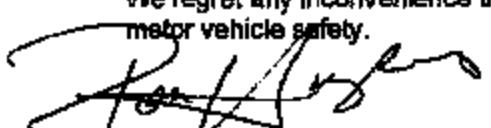
Repair kits are currently being manufactured. We expect kits to be shipped by the manufacturer no later than November 2000. You should contact your authorized dealer regarding scheduling and availability of parts. If parts are not available in time to meet your operating requirements, then an inspection of the wheel speed sensors, associated wiring and tone rings must be performed to assure that there are no defects present that could trigger a response by the ECU that results in loss of braking. If the wheel speed hardware must be inspected prior to replacement of the ECU, the inspection will require approximately 2.5 hours. On vehicles equipped with air disc brakes, an inspection of the wheel speed sensors, associated wiring and tone rings must be performed regardless of parts availability. If you have other questions, you may contact the Customer Support Division.

This defect will be remedied without charge. The repair consists of replacing the ABS ECU with a new ECU. The repair will require approximately .5 hour per vehicle.

Please complete each postage paid card separately and return it to Thomas Built Buses to verify completion. The Identification number for each vehicle involved in this recall campaign can be found just above the address on the enclosed postcard. If you have leased this vehicle, please make sure this notification is immediately forwarded to the lessee. In addition to being used to verify repair completion, the postcard must be completed and returned if you no longer own the vehicle, or the vehicle identified on the postcard has been exported, stolen, or destroyed/totaled.

If you are unable to have the defect remedied without charge and within a reasonable time after the vehicle is tendered for repair, please contact the Customer Support Division at (336) 841-5992. You may wish to notify the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, SW, Washington, DC 20590, or call (888) 327-4236. If your vehicle is part of the Canadian portion, you may wish to notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (613) 993-9851.

We regret any inconvenience this action may cause, but feel certain you understand our interest in motor vehicle safety.

  
Ron Hughes, Manager  
Customer Support Division

RH/ta  
Enclosures      Postcard

Freightliner Corporation is  
a DaimlerChrysler Company